Amendments To The Claims:

Please cancel claims 5-7, 23-25 and 35-38.

1. (Currently Amended) An expandable medical balloon having first unexpanded state, an expanded state and a second unexpanded state, said balloon is mounted on an inner shaft of a catheter assembly, said inner shaft having a torque in the first unexpanded state of said balloon, said balloon having a torque in the first unexpanded state and having a torque in the second unexpanded state, said inner shaft is tacked to an outer shaft, the torque in the inner shaft remains and the torque in the balloon is released when the balloon is expanded and the torque in the inner shaft releases when said balloon is in the second unexpanded state.

2. (Currently Amended) The medical balloon of claim 1 further in combination with a catheter assembly, said inner shaft having a proximal end and a distal end, said balloon ~~is~~ being secured to said inner shaft at said distal end of said inner shaft.

3. (Canceled)

4. (Previously Presented) The medical balloon of claim 3 wherein said inner shaft has a torque in said second unexpanded state of said medical balloon.

5-7.

8. (Original) The medical balloon of claim 1 in combination with a catheter assembly.

9. (Original) The medical balloon of claim 8 further in combination with a stent.

10. (Original) The medical balloon of claim 2, said catheter assembly further comprises an outer shaft having a proximal end and a distal end.

11. (Original) The medical balloon of claim 10, said inner shaft is tacked to said outer shaft at said proximal end of said outer shaft.

12. (Original) The medical balloon of claim 1, said medical balloon rotated about the y-axis at an

angle of about 30° from the y-axis or less in said first unexpanded state.

13. (Original) The medical balloon of claim 1, said medical balloon rotated about the y-axis at an angle of about 30° to about 90° from the y-axis in said first unexpanded state.

14. (Original) The medical balloon of claim 1, said medical balloon is rotated at an angle of about 30° to about 360° from the y-axis in said first unexpanded state.

15. (Original) The medical balloon of claim 1, said medical balloon comprising at least one member selected from the group consisting of thermoplastic polymers, thermosetting polymers or mixtures thereof.

16. (Original) The medical balloon of claim 1, said medical balloon comprising at least one material selected from the group consisting of elastomeric polymers, non-elastomeric polymers and mixtures thereof.

17. (Original) The medical balloon of claim 1, said medical balloon comprising at least one member comprises at least one material which is a thermoplastic block copolymer.

18. (Original) The medical balloon of claim 1, said medical balloon comprising at least one polymer selected from the group consisting of polyolefins, polyesters, polyethers, polyamides, polyimides, polyphenylene sulfides, polyphenylene oxides, polyurethanes, polycarbonates, silicones, styrenic polymers, copolymers thereof, and mixtures thereof.

19. (Original) The medical balloon of claim 1, said medical balloon in a folded configuration.

20. (Original) The medical balloon of claim 19, said medical balloon in a folded configuration having two or more wings.

21. (Original) The medical balloon of claim 1, said medical balloon in a folded configuration having three or more wings.

22. (Currently Amended) A balloon catheter having an expandable member formed according to

a method comprising the steps of:

a) providing an inner shaft having a distal end and a proximal end;

b) providing a balloon member having a distal end and a proximal end, said balloon member having a first unexpanded state, an expanded state and a second unexpanded state;

c) mounting said balloon member on said inner shaft; ~~and~~

d) providing an outer shaft;

~~d~~ e) applying a torque to said inner shaft resulting in application of a torque to said balloon member, said torque being applied so that said inner shaft has the torque when said balloon member is in the first unexpanded state, the balloon also having a torque in the first unexpanded state; and

f) tacking the inner shaft to the outer shaft such that the torque remains in the inner shaft when said balloon member is expanded but releases in the inner shaft when said balloon is in its second unexpanded state, said balloon again has torque in said second unexpanded state.

23-26.

27. (Original) The balloon catheter formed according to the method of claim 22, the method further comprising the step of forming said balloon member.

28. (Original) The balloon catheter formed according to the method of claim 22, the method further comprising the step of providing an outer shaft.

29. (Original) The balloon catheter formed according to the method of claim 22, the method further comprising the step of securing the balloon at its distal end to the distal end of the inner shaft.

30. (Original) The balloon catheter formed according to the method of claim 29, the method further comprising the step of tacking the distal outer shaft to the inner shaft.

31. (Original) The balloon catheter formed according to the method of claim 22, the method further comprising the step of folding the balloon prior to applying said torque.

32. (Original) The balloon catheter formed according to the method of claim 31 wherein after folding, said balloon member has 3 or more wings.

33. (Currently Amended) A method of providing an expandable member of a balloon catheter with improved rewrap, the method comprising the steps of:

a) providing an inner shaft having a distal end and a proximal end;

b) providing a balloon member having a distal end and a proximal end and a first unexpanded state, an expanded state and a second unexpanded state;

c) mounting said balloon member on said inner shaft; ~~and~~

d) providing an outer shaft;

~~d~~ e) applying a torque to said inner shaft resulting in application of a torque to said balloon member, said torque being applied so that said inner shaft has the torque when said balloon member is in the first unexpanded state, said balloon member also having a torque in said first unexpanded state; and

f) tacking the inner shaft to the outer shaft such that the torque remains in the inner shaft when the balloon is expanded and releases when said balloon is in its second unexpanded state, the torque in the balloon releasing when the balloon is expanded and the balloon again having a torque in said second unexpanded state.

34-38. (Canceled)

39. (Original) The method of claim 33 further comprising the step of providing an outer shaft having a distal end and a proximal end.

40. (Original) The method of claim 33 further comprising the step of forming said balloon member.

41. (Original) The method of claim 33 further comprising the step of securing the balloon at its distal end to the distal inner shaft.

42. (Original) The method of claim 39 further comprising the step of tacking the distal outer to the inner shaft near the proximal end of said balloon.

43. (Original) The method of claim 33 further comprising the step of folding the balloon member prior to application of said torque.

44. (Original) The method of claim 43 wherein after folding, said balloon member has 2 or more wings.

45. (Original) The method of claim 43 wherein after folding, said balloon member has 3 or more wings.

46. (Original) The method of claim 33 wherein said balloon member is rotated about the y-axis at an angle of about 30° to about 360° from the y-axis in said first unexpanded state.

47. (Original) The method of claim 33 wherein said balloon member is rotated about the y-axis at an angle of about 30° to about 90° from the y-axis in said first unexpanded state.

48. (Original) The method of claim 33 wherein said balloon member is rotated about the y-axis at an angle of about 45° from the y-axis in said first unexpanded state.

49. (Original) The method of claim 33 wherein said balloon member comprises at least one member selected from the group consisting of thermoplastic block copolymers.

50. (Original) The method of claim 33 wherein said balloon member comprises at least one

member selected from the group consisting of polyolefins, polyesters, polyethers, polyimides, polyamides, polyphenylene sulfides, polyphenylene oxides, polycarbonates, silicones, styrenic polymers, copolymers thereof and mixtures thereof.

51. (Original) The method of claim 33 further comprising the step of disposing a stent about the balloon member.

52. (Currently Amended) An expandable medical balloon, the expandable medical balloon comprising a proximal waist portion, a proximal cone portion, a body, a distal cone portion and a distal waist portion, the balloon secured to an inner catheter shaft at the distal waist portion and secured to an outer shaft at the ~~distal~~ proximal waist portion, the balloon further having a first unexpanded state and a second unexpanded state, the inner shaft having a torque in the first unexpanded state of the balloon, the balloon having a torque in the first unexpanded state and in the second unexpanded state, the torque in inner shaft is released when the balloon is in the second unexpanded state, the balloon having a torque in the second unexpanded state.